

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| L1    | 13   | ("4446634"   "4633597"  <br>"4995173"   "5813142"  <br>"5846063"   "6892477").<br>PN.   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2010/07/22<br>12:18 |
| L2    | 382  | ("0900867"   "1069001"  <br>"1148376"   "1304915"  <br>"2080469"   "2645865"  <br>"2677906"   "2762134"  <br>"3225463"   "3670429"  <br>"3717039"   "3795994"  <br>"3973336"   "4009528"  <br>"4121453"   "4129951"  <br>"4178013"   "4183156"  <br>"4217705"   "4219945"  <br>"4236725"   "4267728"  <br>"4312140"   "4358902"  <br>"4414760"   "4446634"  <br>"4476638"   "4577417"  <br>"4583305"   "4631893"  <br>"4662087"   "4670995"  <br>"4702022"   "4712316"  <br>"4722131"   "4730403"  <br>"4744157"   "4745930"  <br>"4763426"   "4814661"  <br>"4827763"   "4862743"  <br>"4874640"   "4876758"  <br>"4912861"   "4936029"  <br>"4991317"   "4995173"  <br>"4999932"   "5025575"  <br>"5033291"   "5042176"  <br>"5074765"   "5079949"  <br>"5083466"   "5095762"  <br>"5107854"   "5158767"  <br>"5179792"   "5186062"  <br>"5199191"   "5230249"  <br>"5235715"   "5238231"  <br>"5253435"   "5253656"  <br>"5257470"   "5311779"  <br>"5315715"   "5318344"  <br>"5323650"   "5335382"  <br>"5353525"   "5357696"  <br>"5360016"   "5361778"  <br>"5363570"   "5372487"  <br>"5383290"   "5406661"  <br>"5406719"   "5408873"  <br>"5425184"   "5480287"  <br>"5524364"   "5558395"  <br>"5595004"   "5625964"  <br>"5669161"   "5704137"  <br>"5713141"   "5771606" | US-PGRUB;<br>USPAT; USOCR                                | ADJ              | ON      | 2010/07/22<br>12:19 |

|     |        |  |  |     |    |                     |
|-----|--------|--|--|-----|----|---------------------|
|     |        | "5794361"   "5813142"  <br>"5826349"   "5830553"  <br>"5832630"   "5846063"  <br>"5902660"   "5907911"  <br>"5937462"   "5950332"  <br>"5952065"   "5979078"  <br>"5987779"   "6013340"  <br>"6055746"   "6085444"  <br>"6430843"   "6463612").<br>PN. OR ("4446634"  <br>"4633597"   "4995173"  <br>"5813142"   "5846063"  <br>"6892477").URPN. |  |     |    |                     |
| S1  | 1      | "10584663".apnr.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:30 |
| S2  | 0      | ("2007/0209231").URPN.   | USPAT  | ADJ | ON | 2009/06/16<br>16:31 |
| S3  | 226440 | attenuation  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:33 |
| S4  | 49198  | "36".clas.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:33 |
| S5  | 323    | S3 and S4  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:33 |
| S6  | 498    | shock attenuation  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:33 |
| S7  | 91     | S4 and S6  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:33 |
| S8  | 19655  | pressure controller  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:35 |
| S9  | 1      | S4 and S8  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:36 |
| S10 | 587    | adjustable controller  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:36 |

|     |         |                  |  |     |    |                     |
|-----|---------|------------------|--|-----|----|---------------------|
| S11 | 0       | S4 and S10       | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:36 |
| S12 | 0       | S4 and S10       | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:36 |
| S13 | 5313727 | pressure         | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:36 |
| S14 | 7908    | S4 and S13       | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:37 |
| S15 | 1297978 | adjustable       | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:37 |
| S16 | 1361    | S14 and S15      | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:37 |
| S17 | 2045474 | screw            | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:37 |
| S18 | 471     | S16 and S17      | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:37 |
| S19 | 2317694 | valve            | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:39 |
| S20 | 66      | S18 and S19      | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:39 |
| S21 | 1       | S6 and S20       | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:40 |
| S22 | 7       | S20 and S3       | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/06/16<br>16:40 |
| S23 | 1       | "11510003".apnr. | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2009/07/09<br>17:11 |

|     |    |  |  |     |    |                     |
|-----|----|--|--|-----|----|---------------------|
| S24 | 2  | "20050132617".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>10:34 |
| S25 | 2  | 10/202,202   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>10:35 |
| S26 | 70 | ("0900867"   "1069001"  <br>"1304915"   "2080469"  <br>"2645865"   "2677906"  <br>"2762134"   "4129951"  <br>"4183156"   "4217705"  <br>"4358902"   "4446634"  <br>"4662087"   "4670995"  <br>"4722131"   "4744157"  <br>"4763426"   "4874640"  <br>"4912861"   "4936029"  <br>"4991317"   "4999932"  <br>"5025575"   "5042176"  <br>"5158767"   "5179792"  <br>"5230249"   "5235715"  <br>"5238231"   "5253435"  <br>"5335382"   "5406719"  <br>"5425184"   "5524364"  <br>"5558395"   "5595004"  <br>"5625964"   "5669161"  <br>"5704137"   "5713141"  <br>"5771606"   "5794361"  <br>"5813142"   "5826349"  <br>"5830553"   "5832630"  <br>"5846063"   "5902660"  <br>"5907911"   "5937462"  <br>"5950332"   "5952065"  <br>"5979078"   "5987779"  <br>"6013340"   "6055746"  <br>"6085444"   "6430843"  <br>"6463612").PN. OR<br>("6892477").URPN. | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/08<br>10:36 |
| S27 | 83 | ("3717039"   "4121453"  <br>"4267728"   "4446634"  <br>"4583305"   "4745930"  <br>"4814661"   "4827763"  <br>"4862743"   "4876758"  <br>"4995173"   "5033291"  <br>"5079949"   "5083466"  <br>"5095762"   "5107854"  <br>"5179792"   "5186062"  <br>"5199191"   "5230249"  <br>"5253435"   "5253656"  <br>"5257470"   "5311779"  <br>"5323650"   "5353525"  <br>"5357696"   "5360016"  <br>"5361778"   "5363570"  <br>"5372487"   "5383290"  <br>"5408873").PN. OR<br>("5813142").URPN.  | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/08<br>11:57 |

|     |         |              |  |     |    |                     |
|-----|---------|--------------|--|-----|----|---------------------|
| S28 | 1021    | 36/29.cds.   | US-PGRUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/08<br>14:01 |
| S30 | 455     | 36/35B.cds.  | US-PGRUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/08<br>14:03 |
| S31 | 459     | 36/35B.cds.  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>14:43 |
| S32 | 6615    | single pipe  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>14:44 |
| S33 | 817     | multi pipe   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>14:44 |
| S34 | 41      | S32 and S33  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>14:45 |
| S35 | 49590   | "36".clas.   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>14:45 |
| S36 | 1       | S34 and S35  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>14:45 |
| S37 | 1121    | 36/29.cds.   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:39 |
| S38 | 866     | S37 not S31  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:39 |
| S39 | 2559492 | mode         | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:39 |
| S40 | 88      | S37 and S39  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:39 |
| S41 | 0       | control mode | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:40 |
| S42 | 43921   | control mode | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:40 |

|     |         |   |  |     |    |                     |
|-----|---------|---|--|-----|----|---------------------|
| S43 | 0       | S37 and S42   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:41 |
| S44 | 4       | S35 and S42   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:41 |
| S45 | 49066   | control\$3 mode   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:44 |
| S46 | 6       | S35 and S45   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/08<br>16:45 |
| S47 | 2       | "6892477".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/11<br>15:29 |
| S48 | 83      | ("3717039"   "4121453"  <br>"4267728"   "4446634"  <br>"4583305"   "4745930"  <br>"4814661"   "4827763"  <br>"4862743"   "4876758"  <br>"4995173"   "5033291"  <br>"5079949"   "5083466"  <br>"5095762"   "5107854"  <br>"5179792"   "5186062"  <br>"5199191"   "5230249"  <br>"5253435"   "5253656"  <br>"5257470"   "5311779"  <br>"5323650"   "5353525"  <br>"5357696"   "5360016"  <br>"5361778"   "5363570"  <br>"5372487"   "5383290"  <br>"5408873").PN. OR<br>("5813142").URPN. | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/11<br>16:48 |
| S49 | 1502813 | screw   | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/11<br>17:04 |
| S50 | 69      | (US-20070209231-\$ or US-<br>20050132617-\$ or US-<br>20050022423-\$ or US-<br>20040088882-\$ or US-<br>20080097263-\$ or US-<br>20090083995-\$ or US-<br>20080313931-\$ or US-<br>20080098620-\$ or US-<br>20030084593-\$ or US-<br>20030046831-\$ or US-<br>20030009913-\$).did. or<br>(US-7204041-\$ or US-<br>7107706-\$ or US-6865825-<br>\$ or US-6892477-\$ or US-<br>6463612-\$ or US-6430843-<br>\$ or US-6013340-\$ or US-  | US-PGPUB;<br>USPAT; USOCR;<br>EPO                        | ADJ | ON | 2010/01/11<br>17:04 |

|     |     |  |  |     |    |                     |
|-----|-----|--|--|-----|----|---------------------|
|     |     | 5987779-\$ or US-5950332-\$ or US-5937462-\$ or US-5846063-\$ or US-5832630-\$ or US-5813142-\$ or US-7631382-\$ or US-7506460-\$ or US-7395614-\$ or US-7225565-\$ or US-7219449-\$ or US-7188439-\$ or US-7186270-\$ or US-6685661-\$ or US-6585669-\$ or US-5107854-\$ or US-5025575-\$ or US-4999932-\$ or US-4991317-\$).did. or (US-4744157-\$ or US-4358902-\$ or US-5406719-\$ or US-5224278-\$ or US-5615111-\$ or US-6330757-\$ or US-7614168-\$ or US-7523565-\$ or US-7451555-\$ or US-7426793-\$ or US-7396574-\$ or US-7395615-\$ or US-7017285-\$ or US-6976321-\$ or US-6848200-\$ or US-6510624-\$ or US-6463679-\$ or US-6460197-\$ or US-6409487-\$ or US-6305102-\$ or US-6258421-\$ or US-6014823-\$ or US-5353525-\$ or US-5295314-\$ or US-5295313-\$ or US-5253435-\$ or US-4995173-\$).did. or (US-4546555-\$ or US-4446634-\$ or US-4217705-\$).did. or (US-2955365-\$).did. or (WO-8703789-\$).did. |  |     |    |                     |
| S51 | 19  | S49 and S50  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/11<br>17:04 |
| S52 | 103 | ("3670429"   "3973336"  <br>"4178013"   "4236725"  <br>"4312140"   "4577417"  <br>"4583305"   "4631893"  <br>"4702022"   "4712316"  <br>"4730403"   "4763426").<br>PN. OR ("4995173").URPN.  | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/11<br>17:21 |
| S53 | 31  | S49 and S52  | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/11<br>17:21 |

|     |         |   |  |     |    |                     |
|-----|---------|---|--|-----|----|---------------------|
| S54 | 165     | ("0900867"   "1069001"  <br>"1304915"   "1514468"  <br>"1625582"   "1869257"  <br>"2080469"   "2104924"  <br>"2645865"   "2677906"  <br>"2715231"   "2836907"  <br>"3030640"   "3589037"  <br>"3758964"   "3765422"  <br>"3990457"   "4017351"  <br>"4017931"   "4049854"  <br>"4129951"   "4136412"  <br>"4183156"   "4217705"  <br>"4219945"   "4287250"  <br>"4297797"   "4305212"  <br>"4312493"   "4445283"  <br>"4446634"   "4458430"  <br>"4670995"   "4680876"  <br>"47221131"   "4768295"  <br>"4873774"   "4912861"  <br>"4918838"   "4991317"  <br>"5025575"   "5179792"  <br>"5222312").PN. OR<br>("5406719").URPN. | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/11<br>17:24 |
| S55 | 13      | S49 and S54   | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/11<br>17:25 |
| S56 | 55      | ("5074765"   "5257470"  <br>"5315715"   "5318344"  <br>"5353525"   "5406661"  <br>"5480287").PN. OR<br>("5846063").URPN.  | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/11<br>17:48 |
| S57 | 2       | S49 and S56   | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/11<br>17:48 |
| S58 | 2102227 | screw   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/11<br>17:51 |
| S59 | 4945693 | adjust\$4   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/11<br>17:51 |
| S60 | 226     | 36/155-157.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/11<br>17:54 |
| S61 | 87      | 36/156.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/11<br>17:55 |
| S62 | 109     | 36/155.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:41 |



|     |         |                        |  |     |    |                     |
|-----|---------|------------------------|--|-----|----|---------------------|
| S63 | 41      | 36/157.ccls.           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:41 |
| S64 | 2102866 | screw                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:41 |
| S65 | 29      | S64 and (S62 or S63)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:42 |
| S66 | 7810162 | fluid or gas or liquid | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:46 |
| S67 | 9       | S66 and (S62 or S63)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:46 |
| S68 | 88      | 36/156.ccls.           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:52 |
| S69 | 1       | S66 and S68            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:52 |
| S70 | 1695    | 36/27-28.ccls.         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:59 |
| S71 | 45      | 36/150.ccls.           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:59 |
| S72 | 210     | 36/153.ccls.           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>18:59 |
| S73 | 10      | S71 and S64            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>19:00 |
| S74 | 6       | S64 and S72            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>19:02 |
| S75 | 3129    | 36/43-44.ccls.         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>19:05 |

|     |         |   |  |     |    |                     |
|-----|---------|---|--|-----|----|---------------------|
| S76 | 90      | S64 and S75   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/12<br>19:05 |
| S77 | 28      | ("4183156"   "4217705"  <br>"4219945"   "4414760"  <br>"4446634"   "4476638").<br>PN. OR ("4633597").URPN.  | US-PGPUB;<br>USPAT; USOCR                                | ADJ | ON | 2010/01/13<br>12:34 |
| S78 | 2308212 | screw\$6  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/13<br>13:10 |
| S79 | 85      | (US-20070209231-\$ or US-<br>20050132617-\$ or US-<br>20050022423-\$ or US-<br>20040088882-\$ or US-<br>20080097263-\$ or US-<br>20090083995-\$ or US-<br>20080313931-\$ or US-<br>20080098620-\$ or US-<br>20030084593-\$ or US-<br>20030046831-\$ or US-<br>20030009913-\$ or US-<br>20030188460-\$).did. or<br>(US-7204041-\$ or US-<br>7107706-\$ or US-6865825-<br>\$ or US-6892477-\$ or US-<br>6463612-\$ or US-6430843-<br>\$ or US-6013340-\$ or US-<br>5987779-\$ or US-5950332-<br>\$ or US-5937462-\$ or US-<br>5846063-\$ or US-5832630-<br>\$ or US-5813142-\$ or US-<br>7631382-\$ or US-7506460-<br>\$ or US-7395614-\$ or US-<br>7225565-\$ or US-7219449-<br>\$ or US-7188439-\$ or US-<br>7186270-\$ or US-6685661-<br>\$ or US-6585669-\$ or US-<br>5107854-\$ or US-5025575-<br>\$ or US-4999932-\$ or US-<br>4991317-\$).did. or (US-<br>4744157-\$ or US-4358902-<br>\$ or US-5406719-\$ or US-<br>5224278-\$ or US-5615111-<br>\$ or US-6330757-\$ or US-<br>7614168-\$ or US-7523565-<br>\$ or US-7451555-\$ or US-<br>7426793-\$ or US-7396574-<br>\$ or US-7395615-\$ or US-<br>7017285-\$ or US-6976321-<br>\$ or US-6848200-\$ or US-<br>6510624-\$ or US-6463679-<br>\$ or US-6460197-\$ or US-<br>6409487-\$ or US-6305102-<br>\$ or US-6258421-\$ or US-<br>6014823-\$ or US-5353525- | US-PGPUB;<br>USPAT; USOCR;<br>EPO                        | ADJ | ON | 2010/01/13<br>13:10 |

|     |         |   |  |     |    |                     |
|-----|---------|---|--|-----|----|---------------------|
|     |         | \$ or US-5295314-\$ or US-5295313-\$ or US-5253435-\$ or US-4995173-\$).did. or (US-4546555-\$ or US-4446634-\$ or US-4217705-\$ or US-5325614-\$ or US-6609314-\$ or US-6393736-\$ or US-3794037-\$ or US-3771529-\$ or US-2214296-\$ or US-2114089-\$ or US-5285584-\$ or US-2183197-\$ or US-4633597-\$ or US-5509938-\$).did. or (US-2955365-\$ or US-2104924-\$ or US-2352170-\$ or US-2288665-\$ or US-1534308-\$).did. or (WO-8703789-\$).did. |  |     |    |                     |
| S80 | 32      | S78 and S79   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/13<br>13:10 |
| S81 | 706     | 36/102-103.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/13<br>13:27 |
| S82 | 73      | S78 and S81   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/13<br>13:28 |
| S83 | 2       | "5846063".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/13<br>13:35 |
| S84 | 1       | 11/597,195  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>14:21 |
| S85 | 278     | 36/93.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>14:24 |
| S86 | 424     | 36/27.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>14:24 |
| S87 | 432832  | pneumatic   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>14:24 |
| S88 | 4953580 | adjust\$4   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>14:25 |

|      |        |                 |  |     |    |                     |
|------|--------|-----------------|--|-----|----|---------------------|
| S89  | 162009 | S87 and S88     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>14:28 |
| S90  | 701    | S85 or S86      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>14:28 |
| S91  | 23     | S89 and S90     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>14:29 |
| S92  | 2      | "5846063".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>17:54 |
| S93  | 2      | "6892477".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/18<br>23:16 |
| S94  | 2      | "5785186".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/19<br>08:23 |
| S95  | 2      | "6145221".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/01/19<br>08:30 |
| S96  | 2      | "4914836".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/07/21<br>11:56 |
| S97  | 2      | "5681266".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/07/21<br>11:56 |
| S98  | 2      | "5675914".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/07/21<br>11:57 |
| S99  | 3      | "4458430".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/07/21<br>11:57 |
| S100 | 2      | "5784807".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/07/21<br>11:58 |
| S101 | 1      | WO "1998024338" | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/07/21<br>11:59 |

|      |   |               |  |     |    |                     |
|------|---|---------------|--|-----|----|---------------------|
| S102 | 2 | "5794361".pn. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT | ADJ | ON | 2010/07/21<br>16:01 |
|------|---|---------------|--|-----|----|---------------------|

**EAST Search History (Interference)**

| Ref # | Hits | Search Query      | DBs                      | Default Operator | Plurals | Time Stamp       |
|-------|------|-------------------|--------------------------|------------------|---------|------------------|
| L3    | 975  | 36/29.ccls.       | US-PGPUB; USPAT;<br>UPAD | ADJ              | ON      | 2010/07/22 12:32 |
| L4    | 1012 | 36/43.ccls.       | US-PGPUB; USPAT;<br>UPAD | ADJ              | ON      | 2010/07/22 12:32 |
| L5    | 1    | "20080216349".pn. | US-PGPUB; USPAT;<br>UPAD | ADJ              | ON      | 2010/07/22 12:34 |
| L6    | 1    | "7625150".pn.     | US-PGPUB; USPAT;<br>UPAD | ADJ              | ON      | 2010/07/22 12:35 |
| L7    | 947  | 4 not 3           | US-PGPUB; USPAT;<br>UPAD | ADJ              | ON      | 2010/07/22 13:44 |

7/ 22/ 2010 2:02:06 PM

C:\Documents and Settings\mlall\My Documents\EAST\Workspaces\ 10584663.wsp